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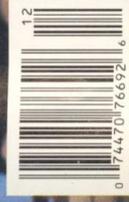
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...the most important people in the production of this publication are the many hundreds of lifters, fans, meet directors, advertisers, and administrators who have made enormous contributions to its success, ... through their own love for the sport ... this is their magazine.

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ON THE COVER Shawn Cain winning another IPF Gold at the World Masters Championships. (photo by Hiro Isagawa)

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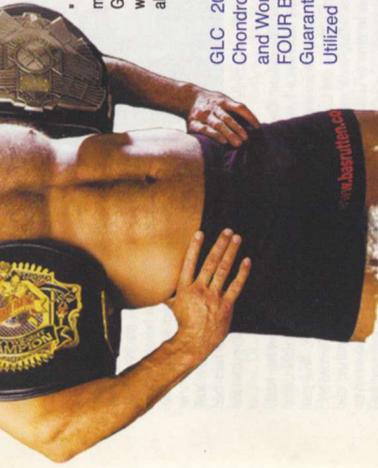
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November 13th 2000

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CAN-AM WORLD CUP

as told to Powerlifting USA by Herb Glossbrenner



13 year old ... Nichelle Whitfield

The tragic events and needless loss of life from the terrorist attack of September 11 seemed to affect some more than others in regards to getting on an airplane. The only apprehensiveness I had coming to Bruce Greig's CAN-AM World Cup was whether the flight schedule would be back on track three weeks following the events. I anticipated a nightmare of hassle and delay going out of Los Angeles International Airport. It turned out to be surprisingly expedient. A shuttle bus at a parking facility outside the airport whisked me right to the curb at Air Canada and there was no delay at the ticket counter. I found myself with a couple of hours to kill before my flight departed. Bruce and Wendy's daughter, Misty, picked me up at the airport and took drove me to Okotoks, which took less than an hour in heavy traffic. I arrived at Bruce and Wendy's Back Alley Gym, where they were loading all the equipment for the competition on a flatbed truck. From there, it was a 2 1/2 hour drive to Lehighridge.

The competition was held at the DA Electric Barn, a nice, spacious facility. There was a spacious back warm-up area contained off. The squats took place in front of a big stage and the bench press and deadlifts were done up on either side of the stage. The set-up saved the time-consuming work of having to move the "Greig Lift." This is Bruce's own creation. It is a larger version of the Moncliff, using automatic hydraulics to adjust the bar height. Bruce provided three of them in the warm-up area, in addition to the one used in the competition. Bruce also used his own version of the "Pasanella bar." The bar is 30mm in thickness, compared to the 28.29mm regulation bar. It's also longer - 8 feet - compared to the 7'2" regular Olympic bar. It weighs 80 kg (66 lbs.), includ-



They did it all Wendy Greig and Bruce Greig ran the meet and put up great numbers as well! Wendy photos despite a back injury and Bruce pulled this 826! (Glossbrenner photos, except where noted)

twice, then pulled 3 good ones (253) for a 540 TOT. Loreen Brooks, 42, with hubby Tom's encouragement, got 3WB for her 231 2nd SQ, but on the decision 2-1 with 242, on depth. She showed 110, missed 121, and raised 2 DLs (220) to total 562 for 1st place at 114 lbs (40-44). Karen Watson, 32, also of the host club, matched Brooks' 562 TOT that afternoon to earn 1st in the 132 Open 220 SQ, but a big jump to 275 was too much. At 148 lbs, veteran 9/9-runner Barbara Cameron went 8/9. She made all of her attempts except a jump to 132, after pressing 110 in her second attempt. She hit a deep 242 SQ on her third attempt, rose and pulled all of her DLs (253) for a 606 TOT. Sherr Spencer, 33, looked powerful winning her 33-39 148 lb class. Each SQ looked stronger than the last. She finished with a great 352. Sherr out-benched all the women, with 220, and pulled a 308 DL for a 903 TOT. She hurt her back trying 330 and finally put an ice bag on it.

Wendy Greig, 43, hurt her back with a 400 training SQ. I'm told she made a great 336 here, and just missed a 352 Canadian Record try. She missed a 132 BP opener, but made it on the repeat and went on a good lift with 143. I watched her DL warm-ups and she seemed in great discomfort. She worked up to 275, then took the platform and pulled, in turn, 308, 330 and 358. Greig totaled 837 at 123 lbs, injured - a tremendous showing. Under the tutelage of coach Joe Avigliano, Diana Fulham, 38, a Van Nuys, CA, high school teacher, has made the transition from overhead lifting, where she was a National USA Champion and American record holder, to powerlifting. With only three meets, counting this in her one year of powerlifting, she motorized through all three tremendous SQs: 407, 429, and finally a bar-bending 451, which is 19 lbs. in excess of triple her body-



148 lb. Shari Spencer of Canada

weight. Not only were her SQs deep, she actually looked good for as much as 462 or 468. Diana benched 192 and 203 but misgripped 214. In the DL, she employs the flat-back Olympic style, using strength of hip flexors to move the bar from the platform. She raised 391, then 418, but 424 wouldn't budge. She totaled 1074. Her efforts won the outstanding woman lifter award. She has many years of experience and great genetics, and the best coach there is: SMOKIN' JOE AVIGLIANO.

Could anyone upstage this performer? The new little twinkling star was Nichelle Whitfield, in her debut. She's at 410", 123 lbs, and just turned 13. She dinked 3 WPC World Record age group SQs as easy as pie: 242, 264, 275, all deep and seemingly effortless. She blew away the former SQ record of 232 1/2, belonging to Phoebe (BEL), who was 15. USA's Rummel was the listed World Record holder in the BP. Nichelle smashed that on her first attempt, with 58 kg (127.8 lbs). On to the DL, where Nichelle pulled three easy ones: 226, 248, and finally 264. Her last two pulls broke the 638 World Record TOT by Phoebe twice. Skk World Records in her very first competition shows what amazing potential this little gal has. Did I mention she wore no support-DL suit or shirt? Coach Joe only wrapped her knees lightly in the SQ and did not allow her to extend herself in the DL. What Nichelle will do one short year from now, just might blow your mind.



Seven of the USA participants were from the Los Angeles Lifting Club. Joe and Nance Avigliano disrupted their own training for the WPC Worlds to help their lifters. Joe wrapped everyone's knees, put on shirts, coached and wore himself to a frazzle. Nance was the coordinator of the trip, and she saw to every-thing. Both were able to get a SQ & DL workout on Friday, with Lesolva and Glossbrenner helping load and spot - a small token of appreciation for all they've done.

Liz Kert Kowitz, 18, from Bruce's Back Alley Gym, coasted to a win at 132 lbs in her Teen 18-19 division. She beat the signal on her 154 SQ and went on to 187 for 3 whites. Liz posted a 99 BP opener, failed 110

trip sick with the flu. Come meet time, Rudy made all his bests with a 330 SQ, 214 BP, and 352 DL for a 898 TOT. Rudy is a giving sort of guy and to show his appreciation to coach Joe, he gave him the fit bug. Gordon Santee, of Redondo Beach, CA, just turned 55 and celebrated the occasion by setting all new CA APF Records in his new age group: 165 lb, 55-59 division. Gordon, who just recently had neck surgery, didn't look any worse for the wear and went 9/9 in his customary fashion: 468, 292, 540, for a huge 1300 result. Gordon has his eye on the WPC World Record DL, and as well as another World Championship title at the WPC Worlds in South Africa. I wish Gordon well, even if he did blow all my state records to kingdom come.

Jason Balon, 17, from Saskatchewan, SQed a line 429 and DLed 473 for a 1096 TOT and victory in his 181 lb, 16-17 age bracket. Brian Johnston, 36, of Rudy Martinez, 33, celebrated his birthday, but spent most of the



Herb Glossbrenner catches Brent Mikesell on the way up "out of the hole" with a huge 1041 pounds

lifted strong for his 40-44 Masters title. He made his first six lifts without any problems. Then he pulled 496 and called it a day. Runner-up Corey Velling, 44, of the Lehighridge team, showed balanced lifting, and went for 573 on his last pull, but the barbell refused to comply. Bert Merriman, 53, is a dead ringer, literally, for Secretary of State, Colin Powell. He did seem to know a lot about strategy, picking his numbers smartly. He popped 396 BP, a Canadian Record, on his final effort, following a missed second. In DL, he opened light, with 507, then jumped 100 to 606. He ran out of gas on his last, with 617. His TOT was 1532. Outstanding Master lifter of the meet was the amazing 61 year old Skip Sandberg. At 240 bodyweight, he opened with a big 578 duck soup. Next he moved down 2 WPC World Records: 611, then 633! He got a 374 and 402 BP before failing 424. Sandberg opened his DLs with 578 then matched his own 617 WR from last year's World meet, and waited his third. His 1653 TOT created another new World Record for the 60-64, 242s. I see a 1700+ TOT coming!

There were three contestants in the Submaster 220s. Randy Estel, 38, of the Back Alley team, did some inspired lifting: 638 SQ, 683 SQ with increases to 402 and 407 too ambitious. Randall pulled 606 and 639, and even gave 672 a spirited try, for a 1631 TOT. Runner-up, Trevor Andrus, 35, of Saskatchewan, dinked 688 powerfully, but couldn't quite make 727 on his final lift. Brad pressed 418 and pulled 617 on final attempts, for 1725 TOT. Matt Hyrich, 28, of Fort. St. John, BC, wrapped up the submaster win with tremendous SQing: 650, 694, and finally a huge 738, all good! He BPed 363 and barely missed 374 at lock-off. Brad hauled up 672, then 705, before yielding to 727, totaling 1807. My pick for "Mr. Nice Guy" was Tom Brooks. In the gym where he trains

(article continued on page 74)

big 628. Despite a mere 275 BP, he hauled up a 529 second attempt DL for 1421 TOT and the 181 lb, 33-39 bracket win. Runner-up was Kern Tolson, 37, from Bruce's Boys, who totaled 1140 with 396, 286, 457. Harold Russell, 32, of Calgary, lifted in the handicapped division, missing only one try in nine. Be proud of your accomplishments! Harold and keep up the good work! The 198 lb, 40-44 champ was Kevin Duriford, 44, another of the Bruce's 21 member team. Kevin TOT'd 1223, making all his DLs. George Irvine, 47, took the 45-49 bracket with a fine 551 SQ, 319 BP. He finished 352, but raised his butt. Two DLs, and he passed his last, for a 1311 TOT. Darwin Miller, 78, bombed at the WPC Worlds in Las Vegas last year with 264 SQ. He'd improved a lot in a year: 336 SQ, 176 BP, 363 DL. Goes to show that you can do powerlifting practically forever.

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(article continued on page 74)



Cathy Solan of Ellipton City, Maryland won the Gold Medal in the 44 kg. competition. (photo provided courtesy of Cathy Solan)

Men	Women	BP	DL	TOT
Guinard FRA	209	104	308	622
123	Hallmond NZ	225	126	351
124	Ling CAN	264	159	292
125	148	319	220	330
126	161	381	269	650
127	187	143	397	628
128	148	319	220	330
129	161	381	269	650
130	187	143	397	628
131	148	319	220	330
132	161	381	269	650
133	187	143	397	628
134	148	319	220	330
135	161	381	269	650
136	187	143	397	628
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219	161	381	269	650
220	187	143	397	628

Harriet Hall is doing a great job of representing the United States in open and masters IPF competition, above at the M2-90+ kg. ceremony

Men	Women	BP	DL	TOT
Guinard FRA	209	104	308	622
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193	187	143	397	628
194	148	319	220	330
195	161	381	269	650
196	187	143	397	628
197	148	319	220	330
198	161	381	269	650
199	187	143	397	628
200	148	319	220	330
201	161	381	269	650
202	187	143	397	628
203	148	319	220	330
204	161	381	269	650
205	187	143	397	628
206	148	319	220	330
207	161	381	269	650
208	187	143	397	628
209	148	319	220	330
210	161	381	269	650
211	187	143	397	628
212	148	319	220	330
213	161	381	269	650
214	187	143	397	628
215	148	319	220	330
216	161	381	269	650
217	187	143	397	628
218	148	319	220	330
219	161	381	269	650
220	187	143	397	628

J.D. Carr... a veteran of an earlier era of Powerlifting in the United States, he kept training hard while many of his competitors from the 1960s have long ago hung up their lifting belts, and his diligence has been rewarded with an IPF Gold Medal at M1-60 kg.

Men	Women	BP	DL	TOT
Guinard FRA	209	104	308	622
123	Hallmond NZ	225	126	351
124	Ling CAN	264	159	292
125	148	319	220	330
126	161	381	269	650
127	187	143	397	628
128	148	319	220	330
129	161	381	269	650
130	187	143	397	628
131	148	319	220	330
132	161	381	269	650
133	187	143	397	628
134	148	319	220	330
135	161	381	269	650
136	187	143	397	628
137	148	319	220	330
138	161	381	269	650
139	187	143	397	628
140	148	319	220	330
141	161	381	269	650
142	187	143	397	628
143	148	319	220	330
144	161	381	269	650
145	187	143	397	628
146	148	319	220	330
147	161	381	269	650
148	187	143	397	628
149	148	319	220	330
150	161	381	269	650

TRAINING

The World's Greatest Bench Press Assistance Exercise as told to Powerlifting USA by Dr. Larry Miller

I remember during my earlier years of powerlifting making a 5 lb. gain in my bench press during a one year span. Looking back, I imagine that I was either overtraining or maybe working through an injury. None the less, it is difficult to continue to make progress in our sport without, for instance, moving up a weight class or going with a better piece of equipment. Periodically, we will come across a routine or exercise that has a significant impact on our progress. I am always looking for something new to help elevate my bench press numbers. Training with a group of lifters allows me to see how we all respond as a group to a given program or exercise.

I have been training with "Jump Stretch" rubber bands for a few years now. Since day one with the bands, I always thought that the bands were one of the greatest strength devices around. In the bench press, it is relatively simple to hook up the bands to help the lifter with his/her lock out. I wanted to find a way to use the bands whereby they would provide resistance off my chest as opposed to the lockout. About 6 months ago, I came up with a plan. Unfortunately, it won't work unless you have the proper equipment. I would imagine that there are many different ways to work around

not having the right tools, but that I will leave up to you lifters. Ideally, you need two things from your bench to do this exercise. First of all, you should have a bench that has a second set of uprights that are positioned a few inches above your chest (Picture #1). With the bar positioned closer to the pad, it allows you to add more tension to the bands by easily adding loops. Depending on your bench, you'll need to get the right type of bands. If you are benching between 425-500 in a single ply shirt, you should be able to handle 4 heavy blue bands. The 2 of the heavy blue bands together and loop one end around the bar. I would start with a 45 lb. plate on each side and position the bands outside the plate. Take the band under the support under the bench. This is criteria #2. Our support bar is about 1 inch off the floor. We center the knot in the band under the support bar and hook the other end of the band to the bar. Again with the bar in the lower upright, double loop one side of the bands around the bar. Repeat this to the other side. We add one more loop, so now the band is triple looped. When you loop the bands around the bar, alternate how you loop the

green bands without a loop to the 2 sets of blue bands. With this particular exercise, we only have a bar weight of 135 lbs. Because of tremendous amount of band tension, we lift off from the side and spot from the side. We bring the bar to the lifter's chest. We try and go to lockout for as many reps as possible, usually between 5-8. We pause at the chest and then push the bar as fast as possible to get to lockout. When the lifter is done with their set, return the bar to the lower upright. With 2 sets of triple looped blue bands, and one set of green bands, we have somewhere around 300 lbs. of band weight plus 135 lbs. of bar weight at lockout. The lift will be hard throughout the motion. I have always had trouble with my sticking point a few inches from lockout. Since I started this exercise, I have found that I can now push right through to my lock out. We do the rubber band exercise after our flat bench. We normally do 3 sets of 5-8 reps. We will alternate this exercise with decline benches and power rack rubber band lockouts. I recently spoke with George Halbert and if I am not mistaken, they are finding that utilizing more bands than weights is a great way to build strength. Another way

to add band weight is to take a smaller band and place it in your hands and around your back. You can do this in addition to the bands that are already in position. Some of my friends, who are exercise physiologists, have cautioned me about overtraining with the bands. I use the bands twice a week. On Thursdays we use a pair of blue bands and hook them under and around the support bar to add a little extra band tension. We go to about 185 lbs of bar weight and do between 20-30 reps. At age 47, I do not feel that I have been over training. My bench has gone up 20-30 lbs over the past year with an official 498 lb bench at 163 lb bodyweight. I also did a 510 in training. Both lifts were done in a single ply polyester shirt.

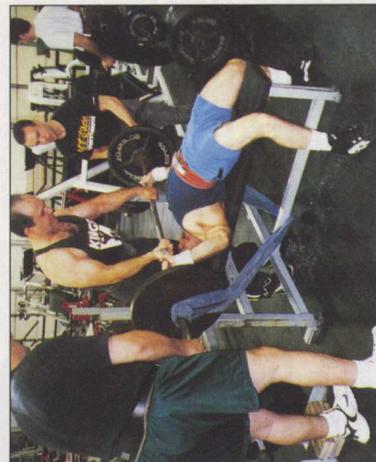
All my training partners will agree with the following: the 6 loops of bands are a very difficult exercise and you should be cautious. You need to have spotters on the side and you must work your way up to the proper amount of band resistance.

If you need to order Jump Stretch rubber bands, you can call Dick Hartzell at 1-800-344-3539.

Larry (Dr. Bench Press) Miller



Picture #1: Notice the support bar one inch from the floor and the bar positioned on the lower set of uprights. (both photographs were supplied by Dr. Larry Miller)



Dr. Larry Miller doing his "Miller Band Benches" with his spotters (left to right) - Vince Harantito, Steve Spinelli, and Steven Petrencak.

loops. I would recommend that until you adjust to the bands, you start out with one set of blue bands and add loops. Then add the second band and continue to add loops until you have reached a total of 6 loops. At that point, if you need more resistance, take another set of bands. We have added a pair of



George Halbert's 733 at 220 at the WPO Bench Bash for Cash. (images courtesy of George)

For Review ... How'd you like to see how the man who recently posted the best bench press in history (by formula) has mastered the lift for himself? Fortunately, you can. George Halbert, off a 683 bench at 198 and a 733 at 220 (both these 2001 lifts are shown on this video, by the way), has put together a video, appropriately entitled "TO MASTER THE BENCH PRESS"; that is going to open the Brave New World of Bench Pressing to those hungry masses, yearning for ever more pectoral power. George has a reputation for being so humble it hurts, but here he opens up his well-spoken and quietly compelling personality to illuminate the whys and wherefores of his 10 all time bench press record breaking career. George starts out by listing the 5 goals of his presentation. 1. to explain the muscle groups and exercises involved, 2. the theory of rubber bands in bench training, 3. proper bench pressing technique explained, 4. how to set up your program, and 5. how to adapt your program continuously. George explains his challenging theory of benching with the powerful tool of simplicity, despite some of these exercises being very complex - like the "cambared bar-board band press". George gives proper credit to his mentor Louie Simmons as well as some of the greatest bench pressers in history: Jim Williams, Paul Dicks, J.M. Blakley. His focused and logical approach to such issues as muscle imbalance, pain prevention, and an encyclopedia of unique training exercises, provides the viewer of this tape with one "solid gold" training tip after another. Shots of George in competition are interspersed between the detailed training and technique explanations and the overall editing of this video production is excellent. Don't get me wrong - it is not easy to set up a George Halbert / Westside Barbell Club style bench press program, but George's innate skills as a communicator and his obvious grasp of the principles involved will show you how - week by week - to get this program to work for just about anyone. This is plain of common sense and cutting edge science by the truckload, with dozens of brilliant and true analogies to help you see the way. For example, the humble Halbert relates that "I have learned some of my greatest lessons bombing out of needs". This tape is going to give the serious student of bench pressing bushels of great ideas to try and the theory to put it all together on the platform. If you got the bug to bench, this tape is going to be worth many times more than the 44.95 price (plus \$5.00 shipping and handling) to George Halbert, 3063 Noelle Ct. Columbus, OH 43232. (reviewed by Mike Lambert)



George was honored by the Ohio Senate as one of the Strongest Men in the World. Above (left to right) Carl Gregory - GM of Craham Ford where George is employed, State Senator Bruce Johnson, George, and Jim Lorimer of World Gym and the Arnold Fitness Weekend.

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INTERVIEW

Personal dialogue between
PL USA Magazine and the
Sport's Greatest Names.

JILL MILLS - The Queen of Strength

as interviewed for PL USA by Bruce Citerman



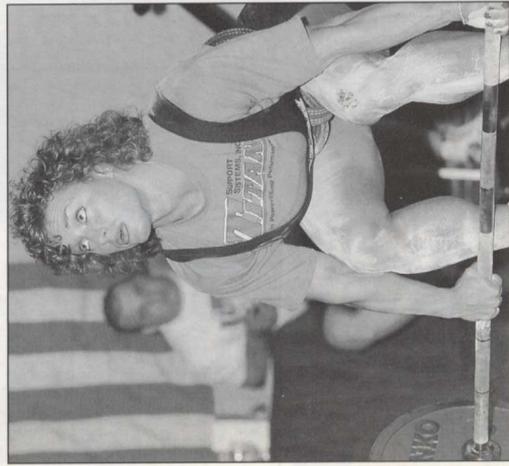
Jill Mills in strongwoman competition with husband Milo at right

BC: Jill, give us some personal information about yourself.
JM: I'm 29 years old. I have a nine year old daughter, and two two dogs. I am married to Milo Mills. I own my own business (Jill's Bodymill), consisting of massage therapy, diet consultation, and personal training. San Antonio, Texas is my home town.
BC: What is your athletic background?

JM: Soccer, track, bodybuilding, powerlifting, and strongwoman contests (in that order)

BC: How did you get into lifting?
JM: I started lifting weights and getting in shape when I was just a child. By elementary school, I was running 3-4 miles a day. When I was twelve years old, I got involved in lifting. Lifting had become a part of my life since on my farm I moved hay and 5 gallon buckets of water across my land to care for my horses. I also hauled firewood, cleared the property, and mended fences. I felt I had natural all-around strength, for I could do high repetition pullups and run many miles a day. At age 17, I began to train at a gym and started to compete in bodybuilding. I competed in three second building contests, placing second

in one, and first in a national qualifier. I did not like bodybuilding because of the cardio exercises that burned off muscle and strength that I had worked so hard to build up. Then I got into powerlifting. My husband, Milo, began to train me after seeing my potential. One day in the gym, a couple of guys were training for a strength contest. It looked like fun, so I entered the competition. I enjoyed the contest and continued to compete in strength competitions.
BC: What contests have you competed in, and what were the results?
JM: In powerlifting, I began competing in the 165 lb. class, winning the Nationals in 1997. My best lifts in competition were a 490 lb. squat, 275 lb. bench press and a 501 lb. deadlift, totaling 1266 lbs. Then I moved to the 181 lb. class, my best lifts being a 513 lb. squat, a 325 lb. bench press, and a 507 lb. deadlift, totaling 1340 lbs. I was ranked 4th all time in the history of women's powerlifting in the 181 lb. class. I also did a raw meet, one in which gear is not allowed, and my bench pressing and deadlifting were basically the same amount, but my squat lowered to 475 lbs. In strongwoman competitions, I won the Lone Star Strength Festival, the Metroplex Challenge (including a 245 lb.



Jill en route to her win at the '97 USPF Sr. National Powerlifting meet

overhead press), and the Metropolis Rep Contest. The contest consists of bench pressing 100% of your bodyweight (175 lbs.) and I did 27 reps; biceps barbell curling 50% of your bodyweight (85 lbs.) where I did 60 reps, and deadlifting 200% bodyweight (350 lbs.) where I did 18 reps. Then I won the 2001 South-west USA Strongwomen Challenge, the 2001 Scotland Roundtable (World's Strongest Woman Contest qualifier), the 2001 Killin Fair Scotland Strong-woman contest, and the 1st ever World's Strongest Woman contest. I am undefeated in all strong-women contests.

BC: You've been successful in almost every weightlifting competition, what is your routine?
JM: My training varies between powerlifting meets and strong-women contests. In powerlifting, I do three sets of five reps for the three lifts: squat, bench press, and deadlift. The basic exercises that I usually do are squats, deadlifts, power cleans, snatches, high pulls, push presses, bench presses, dips, and pullups. In strongwomen contests, I minimize the gym work, spending most of my time training for the events. I train for the events every week. My backyard is a regular training facility with a 600 lb. tractor-trailer tire, beer kegs, a platform, and a sled. An average training session includes 10 flips with the tire, a 5 minute rest, loading four kegs onto the platform, another rest, and then repeating the process a few times, with each circuit being timed, and speed.

BC: With all of the heavy lifts you do what are your measurements?
JM: Height: 5'4"; Weight: 173 lbs.; Arms: 15.5"; Chest: 44"; Thighs: 25"; Calves: 17"

BC: What type of vitamins or supplements do you take?
JM: A multivitamin, whey protein powder, and muscle milk.
BC: What are your future plans in weightlifting?
JM: I would like to compete in Olympic lifting contests, and maybe another powerlifting contest before I focus my training on strongwomen contests. I would also like to promote strongwomen contests when I am too broken down to compete in them myself

The THOUSAND KILO Club Highest Totals of All Time as compiled for PL USA by Herb Glossbrenner

KGS.	LBS.	LIFTER	BWT.	NAT.	DATE
1180	2601.4	Frank, G	375	USA	24Jun01
1119.5	2466.8	Turtanen, A	274	FIN	11Aug01
1117.5	2463.6	Coan, E	242	USA	12Dec98
1115.8	2460	Clark, A	333	USA	28Mar93
1115	2458.1	Pasanello, D	275	USA	28Mar90
1102.5	2430.3	Wilson, O.D.	380	USA	29Jan81
1102.5	2430.5	Badenhorst, G	307	USA	14Oct90
1100.8	2427	Ware, J	343	USA	29Jan89
1100	2423	Kazmaier, B	330	USA	31Jan83
1097.7	2420	Reinhart, D	357	USA	03May75
(10)	1097.7	Kovacs, D	320	USA	19Nov00
1092.5	2419.3	Groggins, S	258	USA	24Jun01
1090	2417.5	Furnas, S	273	USA	29Jun87
1090	2403	Wessels, W	259	USA	17Apr97
1077.5	2375.4	Noren, L	282	SWE	23Oct72
1075	2370	Hecher, G	353	USA	03Mar85
1072.5	2364.4	Bolton, A	300	GBR	19Nov00
1070	2358.9	Fusaro, R	294	USA	19Nov00
(20)	1068.2	Papazov	276	UKR	Oct01
1067.5	2355.4	Smith, M	300	USA	17Jun01
1067.5	2353.4	Robinson, M	308	USA	14Oct90
1067.5	2353.4	Tregiano, P	352	GBR	06Jul97
1067.5	2353.4	Coates, K	307	USA	12Dec98
1067.5	2353.4	Moore, B	326	USA	12Aug01
1063.9	2350	Kuc, J	327	USA	11Nov72
1062.5	2342.4	Wrenn, P	340	USA	12Jul81
1062.5	2342.4	Ruggiera, M	308	USA	12Jun00
1060	2336.9	Hall, M	337	USA	11Jun00
1060	2336.9	Henry, M	403	USA	26Feb89
(30)	1054.6	Born, D	308	USA	17Jun01
1052.5	2320.4	Fornio, Y	308	USA	30Sep00
1052.5	2320.4	Hamalainne, M	290	FIN	12Aug00
1052.5	2320.4	Childress, P	304	USA	24Aug00
1050	2314.8	Warman, S	275	USA	23Jul92
1050	2314.8	Saliger, K	295	AUT	Apr93
1049.1	2313	Waddington, D	308	USA	13Jun81
1047.8	2310	Ruggiera, M	308	USA	12Jun00
1047.5	2309.3	Young, C	370	USA	14Dec86
(40)	1047.5	Karowski, K	275	USA	28Jul96
1043	2303.8	Kenady, D	303	USA	04May79
1043.2	2300	Dimel, M	319	USA	03May86
1043.2	2300	Pitts, G	336	USA	14Apr94
1043.2	2300	Hunt, J.R.	389	USA	01Nov97
1043.2	2300	Skiver, T.	SH	USA	13Oct01
1040	2292.8	Voromin, J	375	USA	11Jul99
1037.5	2287.2	Moran, L	316	USA	17Dec83
1036.4	2285	Lowe, G	260	USA	21Mar98
1039	2281.7	Rethwisch, G	340	USA	18Dec84
(50)	1033	Gurianov, M	SH	RUS	21Nov99
1035	2281.7	Midoie, T	SH	JPN	00
1035	2281.7	Bondarenko, V	SH	RUS	15Sep01
1034.2	2280	Stafyofid, J	288	USA	19Nov00
1033.2	2276.4	Nichols, B	273	USA	21Oct87
1031.4	2274	Wohleber, D	268	USA	11Dec82
1030	2270	Gamble, J	275	USA	24Jul83
1030	2270	Meszaros, T	SH	HUN	15Nov98
1027.5	2263.2	Hill, H	320	USA	29Oct05
1027.5	2265.2	Gillingham, B	320	USA	21Aug01
1025.1	2260	Chaillel, M	260	USA	16Nov86
(60)	1025.1	Waddle, T	300	USA	03Dec99
1025	2259.7	Hamman, S	359	USA	30Mar96
1023.3	2254.2	Trevizo, R	273	USA	07Feb99
1022.5	2254.7	Barry, L	308	USA	12Aug01
1020	2248.2	Neighbor, J	275	GBR	Nov94
1020	2249.7	Savickas, R	SH	LIT	19Nov00
1020	2248.7	Grove, J	301	USA	12Aug01
1018.3	2243	Starov, M	241	RUS	07Jul96
1017.3	2243.2	Binkowski, J	330	USA	19Dec99
1017.3	2243.2	Gallo, C	300	USA	19Nov00

(70)	KGS.	LBS.	LIFTER	BWT.	NAT.	DATE
1017.3	2243.2	Urchik, P	242	USA	19May01	
1017.3	2243.2	Williams, S	308	USA	12May91	
1016	2240	Williams, R(M)	326	USA	29Nov92	
1016	2240	Patterson, M	340	USA	29Nov99	
1015.5	2238.7	Podchorn, M	SH	RUS	30Nov00	
1015.3	2238.7	Kultruff, H	SH	GER	07Mar00	
1015	2237.7	Carmey, J	220	GBR	24Oct93	
1015	2237.7	Farmer, P	242	USA	16Jul93	
1015	2237.7	Smith, S	215	USA	25Jun00	
1012.5	2232.1	Bouvier, W	321	USA	24Jul83	
(80)	1012.5	Masters, R	SH	USA	05Jul98	
1012.5	2232.1	Nalekyn, V	SH	USA	25Jun00	
1012.5	2232.1	Henderson, T	275	USA	04Mar85	
1011.3	2230	Beard, R(M)	SH	USA	06Nov99	
1009.2	2225	Pearce, R	SH	USA	24Feb90	
1009.2	2225	Leslie, C	242	USA	03Jul84	
1007.5	2221.1	Meehan, A	308	CAN	19Nov00	
1006.9	2220	Fortier, M	275	CAN	30Apr95	
1004.7	2215	Hackett, E	275	USA	01Feb81	
(90)	1004.7	Taylor, L	SH	USA	18Feb89	
1002.5	2210.1	White, E	341	USA	31Aug75	
1002.5	2210.1	Ohradovic, J	273	USA	22Jun97	
1002.5	2210	Wilson, S	242	USA	23Feb85	
1002.5	2210	Brodsky, S	380	USA	07Apr91	
1002.5	2210	Greig, B	308	CAN	15May91	
1000	2204.6	Long, T	299	CAN	06Mar83	
1000	2204.6	Steinacker, T	380	USA	17Feb85	
1000	2204.6	Bell, W	242	USA	22Nov87	
1000	2204.6	Hardridge, T	290	USA	03Dec86	
(100)	1000	Nestor, B	242	USA	07Jul91	
1000	2204.6	Zerhoch, H	SH	GER	Apr93	
1000	2204.6	Springer, P	308	USA	29Oct95	
1000	2204.6	Jonsson, A	275	ISL	21Nov99	
1000	2204.6	Malanchuk, A	273	RUS	04Mar01	
1000	2204.6	Serebriyakov, A	SH	RUS	04Mar01	

USA, 2-FIN, 1-AUT, 1-HUN, 1-USA, 8-RUS, 4-GBR, 4-CAN, 2-GER, 2-RSA, 2-NUM, 1-UKR

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We think of powerlifting as an individual sport and for the most part, that's true. The lifter is out there alone on the platform and it's between the lifter, the weight, and gravity - but, for best results at a meet, each lifter needs some specialized and devoted support and that comes from his meet support engineer. This help or support extends far beyond just yelling encouragement to the lifter on the platform. That's where our individual sport gets some team flavor added to the mix.

In previous articles I developed checklists for lifters to review before and after a meet. The goal of those checklists was to ensure a lifter was prepared for all items to address leading up to a meet and to learn from each meet's successes and failures. No checklist, to my knowledge, lays out the job description of the meet support engineer or helper - for those not verbosely inclined. In order to do this, I have broken out the checklist by categories: pre-lift, each power lift, and miscellaneous.

Pre-Lift

- 1) Submitting opening attempts
- 2) Weigh-in assistance
- 3) Gaining understanding of rules used at meet
- 4) Insuring all lifting gear, etc. is available

Squat

- 1) Bar height and rack in/out setting for each attempt
- 2) Assist putting on squat suit before each lift
- 3) Belt tightening
- 4) Knee wrapping
- 5) Knee wrap re-rolling after attempt
- 6) Assist in loosening equipment after attempts
- 7) Chalk application on lifter

Bench press

- 1) Assist putting on and removing bench shirt
- 2) Adjust bench shirt between attempts
- 3) Chalk application on lifter
- 4) Belt tightening
- 5) Foot platform location (if used)

Deadlift

- 1) Assist in putting and removing lifting gear
- 2) Belt tightening
- 3) Powder application to lifter's legs
- 4) Minor first aid

Miscellaneous

- 1) Warm-up room help

STARTIN' OUT

A special section dedicated to the beginning lifter

Meet Support Engineer as told to Powerlifting USA by Doug Daniels

- 8) Ask for spotters to clean excess chalk, etc. from platform and bar
- 9) Check lifter's standing during meet
- 10) Food and beverage dispensing
- 11) Critiquing lifting technique
- 12) Taking meet photos or videos

As you can see, the job description of a meet support engineer is quite substantial. I'm sure I left some duties out so this list could easily be longer. While being a meet support engineer myself at many meets, I've felt as exhausted as the lifter that I was helping afterwards. I can not underestimate the value of a competent helper or aid at a meet. I've seen lifters not even take the platform for an attempt because they were not even aware it was their turn to lift. That's a very costly and unnecessary mistake. Good meet support can give a lifter a huge advantage over the competition. Combine critiquing lifting technique, logical attempt selection, proper and timely lifting gear application and just plain old paying attention to what's going on at the meet and it can mean the difference between a successful meet and a forgettable one.

This function can best be compared to a corner man in boxing. The corner man (or woman) is dedicated to supporting the athlete. Without a good support engineer, a lot of hard work can go down the drain. Oh yeah, yelling encouragement to your lifter is just as critical as any of the items on the list above. Powerlifting is an individual sport for sure but a little teamwork can give you a big advantage.

Doug's Web address: members.aol.com/danil12345/default.htm



Terry Todd assists Lamar Gant with his suit at Larry Pacifico's 1982 Senior Nationals.

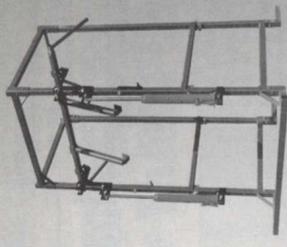
- 2) Keeping track of lifting order
- 3) Location of lifting gear
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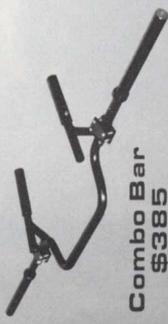


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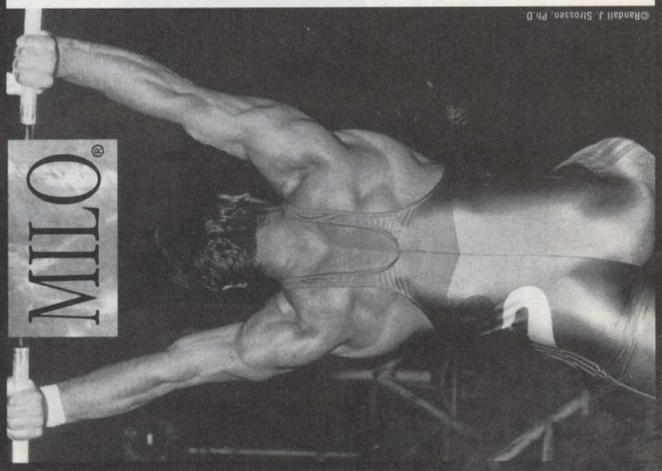
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FORCE TRAINING

by Dave Tate of
Elite Fitness Systems

Question: To my benefit I use the "ME" method, that prescribes that I train core/belt exercises with weights over 90% or more. Mr. Simmons has said that maximal strength is best obtained with weight above 90%. What research indicates that absolute strength (maximal) is best developed with weights over 90%? Why not lift in the 3-5 rep range with 85%, as has been prescribed to me by other powerlifters? Then, accordingly, why not train the assistive exercises with weights over 90%? Thanks for your time.

Answer: The Maximal Effort method as described in "Science and Practice of Strength Training", "Supertraining", "Science of Sports Training", and most of the Russian Manuals "Training the Weightlifter", etc. states that there is greater MU recruitment with weights in the 90% plus range or maximal weights. There are several reasons for why this methods works so well.

1. Greater MU recruitment
2. Great for Muscular Coordination
3. Teaches you to Strain: This is a very important and misunderstood

to hold the position in the first place. There are several other reasons as well, but I would like to comment on a few other things. The best research we have is the group of guys who have trained at Westside for the last 20 years. The best thing we have to do, to find if something works, is to have the guys do it and see what happens. Most of the things we have tried did not work out so well, but every now and then we do find a few things. Some of the things with max effort work that we have found is that the movement has to change every one to three weeks, sometimes you have to not do the max effort work for a week - but still hit the other movements, and there are times where three reps may be better than one depending on the movement and lifter, but even if they are doing reps for a few weeks they still need to get in the singles for the majority of the training.

As to why we do not use it for every movement - your body can only handle so many reps over 90%. Philip's Chart for Management of the Weightlifter actually states 4 to 10 reps as being the actual number of reps that should be handled over 90% percent. He studied the Olympic Weightlifters in the USSR years ago to come up with these numbers. We have found on max effort day this number to actually be 2 to 4 with our lifters. For circus maximal work on dynamic days where the band tension plus weight is over 90% that 10 reps is the max. This would be in the form of 5 sets of 2 reps. When more sets were completed overtraining occurred. I hope this helps you to better understand the dynamics of the maximal effort work.

Question: You stated in your "Accommodating Resistance - How to use bands and chains to increase your max lifts" article in T-Magazine that "This type of training should only be used by those with a strong training background, at least three years of consistent training or a Class II or sport of powerlifting." Do you still agree with this statement? Also, can someone be too much a novice to train Westside - period?

Answer: Yes and No - it depends on how they are used. The Circo maximal phases are best left to those who have been training for a while and have a strong training background. On the other hand, I have also found the best way to teach a beginner to squat is with the bands, not a lot of bands - just a pink or mini band. I am looking for just enough tension to teach them to get tight with the bar

when they squat. This little bit of band can also teach them how to stand up with more force. Applying force and staying tight are two of the hardest things to teach a beginner and the bands do it without a lot of effort. Using the bands for max effort, and special movements is fine for anyone, as well as the extra workouts with the bands. If you really understand the principles used by Westside you would see they are the best way to train a beginner. There are a great number of first reps with the squat and bench press, and a large amount of stress placed on the core muscles. There still are many things to keep in mind with a beginner that cover more than the scope of this Q & A but would make for a great article. This topic is covered in the introductory section of the seminar video.

Question: First off, I want to thank you for all your helpful answers and hints. Now, I have a Squat question. Last week on ME day I did 320 off the box for a new PR. This week, 330 planted me on the box, and I noticed in my earlier sets that it was real hard for the first couple of inches. I've also noticed that on speed day I come off the box a little slow. Is this a sign of weak hamstrings? If so, what are the best exercises to help? Thanks

Answer: This is a classic sign of weak hips. Start by taking your squat stance out some. Here is the way to test what I say. Stand up and get in your normal squat stance. Now squat down. Now stand back up and take your stance slightly out. Point your toes straight or just slightly out. Now squat down again. You should feel a lot of tightness in the hips, making it too hard to squat all the way down. This tightness is your muscles being primed to squat. This kind of form will require you to push yourself down into the position from which you would tend to spring back up. This would be called a stretch reflex. So, by taking the stance out, you will be bringing more muscle into the squat. Now, here is the problem. You may not be flexible enough to get down. In this case, take the box up to where you can get down. With each set try to lower the box 1/2 inch or so until you get back to where you started. This, in itself, will help to strengthen your hips. Other movements to bring your hips up include: Pull Throughs, Ankle Dragging, Ultra Wide Sumo Deadlifts and Wider Zerkner squats.

For a complete archive of over 1900 questions answered, see the Ask Dave section of our web site at www.elfitfs.com

It's my job to provide words that will help athletes aspire to the furthest reaches of which they are capable. They pay me to investigate and reveal esoteric information that will help athletes go beyond what even they think is possible for themselves. I take my position very seriously, and I feel a tremendous responsibility to you, my readers, to give you all that I can give. But, in this time of national anguish, which troubles the American soul, the only thing I can write and the only words that seem to be appropriate, are about this majestic and extraordinary country of ours. So please forgive me for this moment of indecorum and flag-waving.

First of all, let me say that there is no doubt that America is the best country in the world. In fact, there is no other country that even comes close. We are number one in the world in health care, social health reform, military sciences, cybernetics, agriculture, communications, space technology, entertainment, biomechanics, physics, and the list goes on and on and on. We've done incredible things in the fields of cybernetics. We've put a man on the moon and brought him back home safely. That's still a fantasy for every country in the world. Our "Space War Technology" is just as impressive. That was certainly evident in the Gulf War. The missiles we've created are smarter than most people in the world. They certainly know how to get from one place to another after being told. Think about it. We were making surgical strikes with our "smart missiles" from many miles away. It was an impressive display of power. We even televised the war. I'm sure the other countries in the world were thinking, "Damn, this can't be possible, this is incredible, awesome, frightening." It is incredible, but America has always been known for making the impossible possible. I don't know if you're aware of this, but our biochemists have actually created life. It's a single bacterium phage, or cell that devours oil. That's right - oil. They manufacture the cell in a lab, dump it on an oil spill and presto - no oil. The cells gobble it up.

Here is something else that will probably freak you out. The bionic man is no longer a pipe dream. In fact, the dream of a bionic body is already a stream of a reality. Doctors have successfully replaced the heart, pancreas, kidneys, limbs, blood vessels and hip joints with synthetic devices. Other equally

impressive man-made body parts, such as electronic ears, electronic limbs, polymer blood vessels and artificial blood, have also been developed and manufactured. Even more encouraging is the fact that improvements and breakthroughs in the field of biomedical engineering are coming fast and furious. Developments barely dreamed of a decade ago - electronic restoration of some sight to the totally blind, or the creating of a substitute lung - may be realities within the next few years. With the help of new materials and techniques derived from aerospace engineering, polymer chemistry and bio-electronics, other recent advances have been so extraordinary that some scientists claim that within a decade biomedical engineering will be able to make us better than normal - ala the Six Million Dollar Man. Not only that, but they're going to be able to do it without altering normal appearance, and in many cases will be able to improve your appearance.

And how about our genetic engineering programs? What are we doing in this field is absolutely mind-boggling. Believe it or not, we are at a threshold in biotechnology where

tians, the Chinese - they all want to come to America. They know that no country in the world has the freedom and opportunity that America offers. Believe me, just about everyone in the world wants to come to America, and they don't just want to visit either. They want to live here. They know that America is the greatest country in the world. We have not lost anything when it comes to stability and notoriety. We are still the greatest country in the world. The day people stop climbing over the barbed-wire fences at our borders to get into the United States is the day I'll say we have rapprochement problem with the rest of the world. I don't see anyone climbing over those fences to get out of America.

And here is something that makes me really proud to be an American: As powerful as our nation is, we are still the most benevolent country in the world and probably the least appreciated people on earth. If the truth were told, America leads and clothes the rest of the world, and when tragedy strikes, America is always first to run to the rescue. When the ruins of war threatened to cripple Germany, Italy, Japan and Great Britain, it was America who pumped enormous amounts of money into these countries to ensure their survival and then later on relinquished them from their debts. In the 50s, when billions of dollars in the form of aid were finally cured, it will be an American who will cure it. I guarantee it.

No other country in the world comes close to having that type of technology. When you talk about Japanese technology, you are talking about cameras and radios; German technology, you are talking about automobiles; Russian technology, you are talking about outdated tanks; and Middle East technology, you are talking about a pick and shovel. When you talk about American technology, you are talking about inter-galactic space travel, Star Wars, and biological monoclonal predators... Hell, we have guys playing golf on the moon for God's sake. No country can compare to us in any shape or form. NO COUNTRY!

After the World Trade Centers came down, a number of friends and I thought, "Well, we've lost the towers, but how often do other countries come to our aid? Our Twin Towers are down, our Pentagon damaged, thousands of lives have been lost, but it is Americans who are clearing the rubble and it will be Americans who build things back up again. We stand alone, but we will rise from these ashes bigger and better than ever. And when we do, all the world will once again stand in awe at our greatness.

Dr. Judd Biasotto holds his country dear.

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Dr. JUDD

America is the Greatest Country in the World

as told to PL USA by Judd Biasotto Ph.D.



Dr. Judd Biasotto holds his country dear.

POWER PROFILE

There came a point in my lifting career, where I had squeezed everything I could out of my genetic blueprint, and I had to face the fact that I was never going to get to the top of the mountain. Maybe I had started too late, was too tall for my weight class, whatever. I had confidence that I knew what I was doing, having made steady gains for twenty years and always getting good gains for the other lifters that I coached. So it was then, like a lot of coaches before me, that I began hoping that someday a lifter would cross paths with me that I could take to a higher level than I had attained. I had come across a few athletes that had the physical gifts, but could not match my will power and discipline, and conversely, some lifters wanted success so bad they could taste it, but did not have the physical gifts. How I longed for an athlete that I combined both. Enter Rich Salvagni.

I hate to admit it, but I cannot remember the first time I met Rich Salvagni (the "g" is silent). That is one of the unfortunate drawbacks of promoting 8 meets a year for a dozen years: you tend to only remember the lifters who make a big impression on you either positively or negatively. The first time he really got my attention was a few years back when he was lifting in the 148 class and went toe to toe with Jim Loftus, a Central Bench Press League record holder and many time best lifter award winner. Rich made an excellent 330. I then seemed like the kind of disappointed for awhile, and the next thing I knew he was showing up at my meets again as a 165er, making lifts well over 400. Now he really had my attention. Then about three years ago he finally entered the deadlift competition at one of my meets. My interest was definitely piqued, but I was less than impressed when he pulled a little over 500. What I did not know at the time was that it was the first time he had ever tried deadlifting. Then in the spring of 1999, he pulled a 555 deadlift to go along with a 450 pound Top Iron bench press. In the fall of that same year he squatted



Rich Salvagni deadlifting his way to the title.

620, eclipsing my best ever by 5 pounds. So when he approached me about training him for the APF Sr's, I jumped at the chance; here was the athlete I had been waiting for. He certainly had the genetic material and right from the get-go, I discovered that he approached his workout sessions with the same intensity as I do. Personal problems hampered his training somewhat and then the day of the meet he had problems with the jitters that go with being in a National Meet.

As a rookie, he placed fourth, losing third with the deadlift he was clearly strong enough to make, when he lost his balance forward during the completion of the lift. Clearly disappointed, he did what all great athletes do: resolved to come back the next year and win the whole thing. The intervening year could not have gone better. We hit a couple smaller meets just to get his legs sharper. After all the 2000 Sr's was only his third power meet. He continued to make personal bests and then his training this past spring were right on target. He

a detailed PL USA look at some of the best lifters in the world

RICH SALVAGNI POWERLIFTING COMET! as told to PL USA by JON SMOKER

came into the Sr's brimming with confidence and hit his lifts really well, making all his personal bests, 644 at four in the morning, Rich and his three brothers went along as it was their task to put all the heavy wooden chairs on the tables while she cleaned, and then put them back down again. At first two of them would struggle with one chair, but in the end they were just throwing them around. Rich had to think about it, when asked, because there were different areas, but when he totaled them up, there were 800. Talk about classic progressive resistance! Although he hated it at the time, even Rich begrudgingly has to admit, now, that it laid a foundation for what he has been able to accomplish in powerlifting. This was born out the first time Rich tried bench pressing. He was 14, and weighing 112, and he made 195. Instantly hooked, he started training that night, finding an old 30 pound dumbbell set which had belonged to his uncle. He would work out about an hour every night, doing curls and push-ups. Like Bridges, he concentrated on bench pressing for a number of years before trying full power meets.

Fast forward to 1997 and a chance meeting with Brendan Yoder at a bench meet. They instantly hit it off, and Rich's success in the bench is as much about his ability, as it is Brendan's rapid development as a bench coach. A basketball player in college, he is fighting leverage in the bench press at 6'3" and 220 pounds, but that has done nothing to suppress his love of the sport, and his rapid assimilation of a wealth of training material. And indeed all of Rich's success in the bench press has occurred since he let Brendan begin training him in the bench press.

The routine Brendan used to get Rich ready for the APF Sr's is a combination of Coan, Simmons and his own innovations. It consists of three mini-cycles: the first uses reps in the 8 to 5 range, the second - 6 to 4, and the third - 5 to 3. Heavy

work. The routine Brendan used to get Rich ready for the APF Sr's is a combination of Coan, Simmons and his own innovations. It consists of three mini-cycles: the first uses reps in the 8 to 5 range, the second - 6 to 4, and the third - 5 to 3. Heavy

benching is done once per week, followed by tricep work. On a separate day, shoulders and biceps are worked. Every mini-cycle, the exercises are changed. One time it might be block presses and dips, the next might be paused reps and tricep push-downs and the final one might be floor presses and tricep extensions. Flat benches are always done first with some grip variations. The rep scheme for the core exercises are the same as the aforementioned ones. The total workout consists of 10 to 12 sets. One thing that is purely Yoder is the use of bungee cords on a power rack in place of the pins. Placed a few inches off the chest, it mimics the action of a bench shirt because the bar gathers tension as you bring it downward and it hits the cords on the way to the chest, and then the stretched tension at the bottom helps you drive the bar up, just like a shirt.

Another one of the big things Rich has going for himself, that is difficult to teach, is his ability as a meet lifter. His 473 bench at the perfect squat he had made in his last meet and duplicate it. I also do a thing with reverse psychology: in the gym I would tell Rich to picture himself at the meet, to hear the noise, see the lifters, crowd, judges and feel the adrenaline rush. At the meet it is just the opposite; tell him you are back at the gym and this is no big deal.

Ask Rich about his goals and you encounter a well-rounded individual: he wants to complete his MBA, be a good father to his two

children, and move up the corporate ladder (he is a sales manager for a company that sells vehicular hardware - "nothing sexy"); and then come his lifting goals: a 3 times bodyweight bench press and an 1800 total, and then he can dare to dream about an IPF title.

Like most lifters he draws a lot of inspiration from coaches and other lifters. Ed Coan comes immediately to his mind, but then he also mentions state level lifter, Jason Shoopman, because he sees how very disciplined he is in the gym and the clean, picture perfect lifts he does in competition. He also found John Wood motivating because he chased his CBPL record for years and then he met him, found him to be a class act who has always been very helpful at meets. Of course, Rich mentions his bench coach, Brendan Yoder, whom he credits with much of his success in that lift. And then he cites this old coach, and that's cool, but the pleasure has been all mine; he was the athlete and person I had been looking for: someone I could take to a level far beyond what I achieved. That is the way it is supposed to be: any teacher who does not want to see a student take his mastery to a higher level, is doing that student a big disservice and is definitely in the wrong business. Go Rich!

him after a 578 squat at 148 back in 1977. "The weight left like nothing, like a 3 times bodyweight bench press and an 1800 total, and then he can dare to dream about an IPF title.

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Rich setting up for a 457 bench in Florida. (Clossbrenner photos)

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Ask the Doctor

This column will answer questions about drugs used by athletes and detection techniques for these drugs. Because of the demand, I will occasionally answer questions concerning health and training problems which do not directly relate to drug use and detection. If you wish a personal response to your question send \$15 to cover office and secretarial expenses. Please, no questions about how and when to use anabolic steroids. Send questions to: Mauro Di Pasquale MD, 23 Main St., Warkworth, Ontario, Canada K0K 3K0 (For reasons of brevity or clarity, some letters may be edited, however, every effort is made to retain the spirit of the original question.)

DEAR MAURO: I have been on your Metabolic Diet for 4 weeks now and all is well, as I seem to be full of life and energy. I am following the strict 5 day - 30 gram carb - 2 day carb up approach. In your book you recommend having a blood test before going on the diet and then another one further down the line to make sure everything is fine. Due to an awkward doctor, who did not want me to go on the diet - never mind help me with blood tests, I went straight into the diet with no blood test being done. I now however have found a private company who will do the blood tests you talk about in your chapter "Getting Started" in your Metabolic Diet book. I was thinking of having one done now and then another done 6 months down the line. Does this sound alright to you or because I missed doing it before starting the diet is everything messed up? What do you recommend I do in terms of frequency of blood tests, i.e., do I need to have a blood test done every 6 months to be on the safe side. Thank you so much for your valuable time and do you have any objections if I forward my blood test results to you to check for me as I don't know if my doctor will be happy that I am going through with it. **Rob**

DEAR ROBERT: Although it would have been nice to have had the lab work done prior to going on the diet, it's never too late. The only problem with not having the blood work done prior to starting the diet is that we don't know if any abnormalities were caused by the diet or were there before the diet. Nevertheless, it's a good idea to get the lab work done to make sure everything is OK, diet

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or no diet. If the initial lab results are OK, then every six months would do nicely. If everything is OK the first few times you could and should have the lab work repeated every year. Personally, I don't understand why some doctors won't monitor their patients on the diet. You would think that rather than pontificate they would be interested in what changes the diet brings about, whether positive or negative, and - as such - learn something useful. For example, if a patient had a high total cholesterol, a high LDL and a low HDL before going on my diet, pointing to possible heart problems down the line, and then after being on the diet the total and LDL decreased and the HDL increased, resulting therefore in an improvement in blood lipid values, then he/she would become less dogmatic and more supportive of the diet. In fact, the doctor, as many doctors are doing today, would actually recommend my diets to certain patients. This is all aside from the usual results that people get from going on the Metabolic/Anabolic Diets and that is a reduction in body fat, an increase in muscle mass, and an increased feeling of well being and self esteem. By all means, send me your results by e-mail and I'll have a look at them. Best regards, **Mauro Di Pasquale MD**

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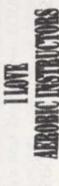
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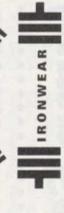
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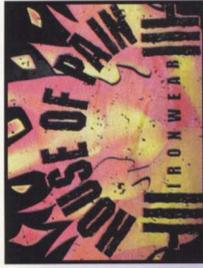


Merry Christmas

HOUSE OF PAIN II

IRONWEAR II

Here are some interesting ways to save \$\$ on your Christmas shopping! Steve thought you would like to see some of our new T-shirt designs; so here are a few that aren't even in the catalog:



Fire Design
On Black T's (M - 4X)



Tombstone
On White T's (M - 4X)



Gym-Girl
On White T's (M - 2X)



Future Champion
On White, Royal & Lime T's
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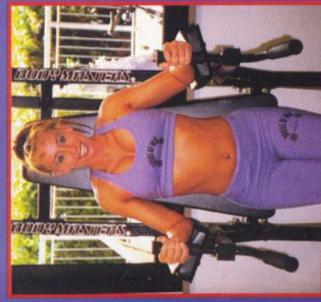
Stars & Stripes
On White T's (\$ - 4X)

All of these new cool designs are on heavy-duty 100% cotton T's, in sizes appropriate for guys, gym-girls, or kids. They all have the H.O.P. logo on the left chest, and they're **BRAND NEW**. Sale Price? Only \$12 each! You can get **ANY 4** for only **\$47** (30 days only).

FREE CAP
with
4 Items!

Kris thought we should mention some of the **NEW GIRL-STUFF** — ...but where do we start?

Here is Sheila Strain looking great in Flare Leg Pants (\$22.00) and Matching Top (\$16.00). Compare at \$50-\$60! Get **ANY 2** for **ONLY \$34.00!**



Sheila Strain

Don't forget the new super comfortable Capri Pants (\$18) (shown on Kara Bohigian) and you can save money on any of this stuff now — **ANY 2 for ONLY \$34.00!**

Gym-Girl
Crop Top

Don't forget to give a **GIFT CERTIFICATE** to your training partner: we have \$20.00 and \$50.00 gift certificates.

Save money, and we'll send a free "Cat & Alex" T to the first 75 orders!

(Turn over for order information.)

people - even giving them a second chance after they've already used up all their second chances. (People do get kicked out of W.S.B., but usually by their training peer group, rather than Lou. Lou is quicker to forgive than those peers. The most common offense is "poor attitude and Lou will not let it contaminate the system). Lou spends many hours in that place as training groups come and go and to all the same imperatives: get stronger or get the hell out! If Lou isn't actually training to get stronger he is thinking about ways to get stronger! He tries countless variations using some almost comical contraptions, most of which fail miserably, but then he finds one that doesn't fail. And that is added to the Westside repertoire. Amazingly, even after all these years, he still manages to come up with a winner or two! Most recently, he taught me what I call "unloading presses" in which the bar is suspended from rubber bands in a power rack and as the bar is lowered to the chest the weight is lessened or "unloaded" then as the bar is pressed the bands go slack and the lockout portion of the lift is trained. I have found this very effective and I'm sure Lou came up with this one after five or six goofy exercises which didn't pan out. But Lou never stops looking! Because he one. I admire his persistence and have benefited from it in my personal training. Lou is never done or "there". He is relentless in his pursuit of strength. At first I wouldn't even try some of the things he'd throw at me. They were crazy! But after several big break-throughs, I'll try anything he whips out at least once. 9 out of 10 are still crazy, but now I'm willing to miss a few times to find the payoff. He is always looking for new ways of doing old things. He is never content to sit back. Westside is always evolving.

Lou generates an attitude of expectation at W.S.B. He expects you to thrive there. He expects you to break all your training records from last week. He expects you to grow. It is almost a demand. You walk in and everybody there expects your best effort, every time. Sure everyone encourages everyone else and there's camaraderie and so forth, but it's much more than that. You have a quota to meet. You're there because you're special (or you wouldn't be invited) and you're expected to deliver. Sure everyone has a crappy workout from time to time, but at Westside that's a real exception to the rule. If you can't cut it, or don't feel like doing the work, no one will hassle you, but believe me you'll feel the

is in this for the long haul. He helped one champion at a time and still does!

If safe to say that Lou is probably only one, two, or three steps away from you. If he's trained you that's one step. If he's helped someone who's helped you, that's two steps. If he's helped someone who coached your coach, that's three steps - only three steps of separation from you to Lou! I guess it's time to break out the nickname. Lou really is the Great-Granddaddy of powerlifting! I'm sure there are exceptions, but trace it and see. Lou did not invent the barbell, but I'll bet that he himself or something he's written is probably less than three steps away from you and your training. Check me on that, you'll see. Lou infuses the W.S.B. with his aura. He genuinely cares for his

today that anyone within a few hours of Columbus would gladly drive or pay or whatever for an invitation to lift there. (my own weekly trek is 60 miles round trip!). Today the gym is elite only or invitation. It is a magnet for the best. This was not always so. For years the gym was open to all who favor heavy training (and it was much larger, too). Lou has given many a high schooler their first squat lesson. The club became elite only slowly and one champion at a time. Lou still invites some with deep sincere interest who are not (as yet) elite into the club and they train side by side with the worlds best. I don't know how one would get such an invitation but I believe it has everything to do with a true passion for strength because the non-elite lifters Lou lets in are dead-serious, Lou

is in this for the long haul. He helped one champion at a time and still does!

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Given Ronnie's hectic schedule and amazingly intense training program, he clearly realized the importance of thoroughly recovering and allowing his body to recharge for consistent growth. Each night - err, morning - at two a.m. Ronnie took one serving of **ZMATM FORCE+TM** in order to quickly settle down and ensure a solid night's rest. Not to mention his using **ZMATM FORCE+TM** as a vital tool for aiding his recovery process via the additional hormonal benefits of **ZMATM**.

Milos Sarcev recently described a workout with Ronnie Coleman as one of the most intense he had ever experienced in his entire career. Ronnie, however, says that's just how he's always trained: splitting his workouts between light burn-out, but going extremely heavy and intense on those days designated as "heavy."

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R. (575-579)	132	R. Spino	175
R. (580-584)	132	R. Spino	175
R. (585-589)	132	R. Spino	175
R. (590-594)	132	R. Spino	175
R. (595-599)	132	R. Spino	175
R. (600-604)	132	R. Spino	175
R. (605-609)	132	R. Spino	175
R. (610-614)	132	R. Spino	175
R. (615-619)	132	R. Spino	175
R. (620-624)	132	R. Spino	175
R. (625-629)	132	R. Spino	175
R. (630-634)	132	R. Spino	175
R. (635-639)	132	R. Spino	175
R. (640-644)	132	R. Spino	175
R. (645-649)	132	R. Spino	175
R. (650-654)	132	R. Spino	175
R. (655-659)	132	R. Spino	175
R. (660-664)	132	R. Spino	175
R. (665-669)	132	R. Spino	175
R. (670-674)	132	R. Spino	175
R. (675-679)	132	R. Spino	175
R. (680-684)	132	R. Spino	175
R. (685-689)	132	R. Spino	175
R. (690-694)	132	R. Spino	175
R. (695-699)	132	R. Spino	175
R. (700-704)	132	R. Spino	175
R. (705-709)	132	R. Spino	175
R. (710-714)	132	R. Spino	175
R. (715-719)	132	R. Spino	175
R. (720-724)	132	R. Spino	175
R. (725-729)	132	R. Spino	175
R. (730-734)	132	R. Spino	175
R. (735-739)	132	R. Spino	175
R. (740-744)	132	R. Spino	175
R. (745-749)	132	R. Spino	175
R. (750-754)	132	R. Spino	175
R. (755-759)	132	R. Spino	175
R. (760-764)	132	R. Spino	175
R. (765-769)	132	R. Spino	175
R. (770-774)	132	R. Spino	175
R. (775-779)	132	R. Spino	175
R. (780-784)	132	R. Spino	175
R. (785-789)	132	R. Spino	175
R. (790-794)	132	R. Spino	175
R. (795-799)	132	R. Spino	175
R. (800-804)	132	R. Spino	175
R. (805-809)	132	R. Spino	175
R. (810-814)	132	R. Spino	175
R. (815-819)	132	R. Spino	175
R. (820-824)	132	R. Spino	175
R. (825-829)	132	R. Spino	175
R. (830-834)	132	R. Spino	175
R. (835-839)	132	R. Spino	175
R. (840-844)	132	R. Spino	175
R. (845-849)	132	R. Spino	175
R. (850-854)	132	R. Spino	175
R. (855-859)	132	R. Spino	175
R. (860-864)	132	R. Spino	175
R. (865-869)	132	R. Spino	175
R. (870-874)	132	R. Spino	175
R. (875-879)	132	R. Spino	175
R. (880-884)	132	R. Spino	175
R. (885-889)	132	R. Spino	175
R. (890-894)	132	R. Spino	175
R. (895-899)	132	R. Spino	175
R. (900-904)	132	R. Spino	175
R. (905-909)	132	R. Spino	175
R. (910-914)	132	R. Spino	175
R. (915-919)	132	R. Spino	175
R. (920-924)	132	R. Spino	175
R. (925-929)	132	R. Spino	175
R. (930-934)	132	R. Spino	175
R. (935-939)	132	R. Spino	175
R. (940-944)	132	R. Spino	175
R. (945-949)	132	R. Spino	175
R. (950-954)	132	R. Spino	175
R. (955-959)	132	R. Spino	175
R. (960-964)	132	R. Spino	175
R. (965-969)	132	R. Spino	175
R. (970-974)	132	R. Spino	175
R. (975-979)	132	R. Spino	175
R. (980-984)	132	R. Spino	175
R. (985-989)	132	R. Spino	175
R. (990-994)	132	R. Spino	175
R. (995-999)	132	R. Spino	175
R. (1000-1004)	132	R. Spino	175
R. (1005-1009)	132	R. Spino	175
R. (1010-1014)	132	R. Spino	175
R. (1015-1019)	132	R. Spino	175
R. (1020-1024)	132	R. Spino	175
R. (1025-1029)	132	R. Spino	175
R. (1030-1034)	132	R. Spino	175
R. (1035-1039)	132	R. Spino	175
R. (1040-1044)	132	R. Spino	175
R. (1045-1049)	132	R. Spino	175
R. (1050-1054)	132	R. Spino	175
R. (1055-1059)	132	R. Spino	175
R. (1060-1064)	132	R. Spino	175
R. (1065-1069)	132	R. Spino	175
R. (1070-1074)	132	R. Spino	175
R. (1075-1079)	132	R. Spino	175
R. (1080-1084)	132	R. Spino	175
R. (1085-1089)	132	R. Spino	175
R. (1090-1094)	132	R. Spino	175
R. (1095-1099)	132	R. Spino	175
R. (1100-1104)	132	R. Spino	175
R. (1105-1109)	132	R. Spino	175
R. (1110-1114)	132	R. Spino	175
R. (1115-1119)	132	R. Spino	175
R. (1120-1124)	132	R. Spino	175
R. (1125-1129)	132	R. Spino	175
R. (1130-1134)	132	R. Spino	175
R. (1135-1139)	132	R. Spino	175
R. (1140-1144)	132	R. Spino	175
R. (1145-1149)	132	R. Spino	175
R. (1150-1154)	132	R. Spino	175
R. (1155-1159)	132	R. Spino	175
R. (1160-1164)	132	R. Spino	175
R. (1165-1169)	132	R. Spino	175
R. (1170-1174)	132	R. Spino	175
R. (1175-1179)	132	R. Spino	175
R. (1180-1184)	132	R. Spino	175
R. (1185-1189)	132	R. Spino	175
R. (1190-1194)	132	R. Spino	175
R. (1195-1199)	132	R. Spino	175
R. (1200-1204)	132	R. Spino	175
R. (1205-1209)	132	R. Spino	175
R. (1210-1214)	132	R. Spino	175
R. (1215-1219)	132	R. Spino	175
R. (1220-1224)	132	R. Spino	175
R. (1225-1229)	132	R. Spino	175
R. (1230-1234)	132	R. Spino	175
R. (1235-1239)	132	R. Spino	175
R. (1240-1244)	132	R. Spino	175
R. (1245-1249)	132	R. Spino	175
R. (1250-1254)	132	R. Spino	175
R. (1255-1259)	132	R. Spino	175
R. (1260-1264)	132	R. Spino	175
R. (1265-1269)	132	R. Spino	175
R. (1270-1274)	132	R. Spino	175
R. (1275-1279)	132	R. Spino	175
R. (1280-1284)	132	R. Spino	175
R. (1285-1289)	132	R. Spino	175
R. (1290-1294)	132	R. Spino	175
R. (1295-1299)	132	R. Spino	175
R. (1300-1304)	132	R. Spino	175
R. (1305-1309)	132	R. Spino	175
R. (1310-1314)	132	R. Spino	175
R. (1315-1319)	132	R. Spino	175
R. (1320-1324)	132	R. Spino	175
R. (1325-1329)	132	R. Spino	175
R. (1330-1334)	132	R. Spino	175
R. (1335-1339)	132	R. Spino	175
R. (1340-1344)	132	R. Spino	175
R. (1345-1349)	132	R.	

The Next Generation of Fabric and Suits are Here

The new millennium ushered in an era of radical change at Titan. We improved our original fabric with Ultra Might Plus. But we knew we could do better. So we kept working and what resulted was a whole new fabric, NXG(Next Generation Fabric). IPF LEGAL

NXG is the strongest, most stable fabric in the lifting world. NXG has the least stretch of any fabric used in the lifting world, is run-proof and virtually tear-proof. How much support will NXG provide. Read this guarantee carefully.

We guarantee that even our basic suit will outperform any other suit on the market.
This includes our competitors premium suit that cost over three times as much!

This is not a marketing gimmick. Our new fabric is simply that good, that supportive. So imagine what you'll get with our more advanced models such as the Custom A, Custom B, the Centurion, the Dual Quad and Deadlift Suits.

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WPC, WPO, IPA etc. - ask about our new **BOSS** suits. This was designed specifically for unlimited divisions and delivers performance exceeding that of canvas!

The most radical performance guarantee ever:

All suits feature 1 YEAR on blowouts and 1 1/2 YEARS on runners!

 TITAN SUPERIOR SUIT (VICTOR)	IPF✓	\$49.95
In sizes 26 - 69		
 CUSTOM A	IPF✓	\$65.00
Custom made with commercial Serger side seams. Regular, meet or competition fit.		
 CUSTOM B	IPF✓	\$70.00
Custom made with our original 3 cm side seams. Regular, meet or competition fit.		
 DEADLIFT SUIT	IPF✓	\$49.95
In sizes 26 - 60.		
	IPF✓ = IPF approved	WPC, WPO, IPA legal
 THE CENTURION	IPF✓	\$85.00
Features our patented harness system. In sizes 26 - 60.		
 DUAL QUAD	IPF✓	\$99.00
Custom made with our patented harness system. Regular, meet or competition fit.		
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Custom made version. Built to your specs.		

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A revolutionary, patented wash that actually strengthens fabric and even makes it more resistant to runs. Works on any synthetics. i.e. - suits and shirts.

\$7.95

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KNEE WRAPS - One of the most supportive, tightest wraps ever! \$17.95/pr.

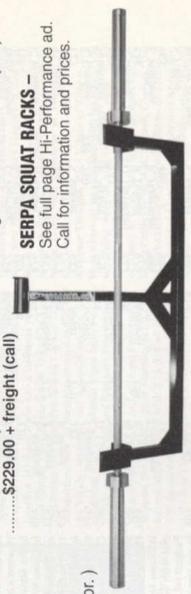
WRIST WRAPS - 6 month guarantee! Titan stitching and Applix (30% stronger than Velcro).
 Standard 12" .. \$11.95 (pr.)
 50cm..... 12.95
 Mid Length 24"..... 13.95
 Full Length 36"..... 15.95

EQUIPMENT

Ivano Power Bar - 1500 lb. test bar with center knurl. The only bar made in the USA certified by the IPF\$229.00 + freight (call)

SERPA D/L HELPER - Lifts the entire bar and keeps it suspended with any amount of weight!\$115.00 + Frt.(call)

SERPA SQUAT RACKS - See full page Hi-Performance ad. Call for information and prices.



SAFE'S SQUAT SHOES

CONTENDER: Designed & manufactured exclusively for powerlifting. Features: (1) split grain leather with Cambrelle lining; (2) wedge arch support; (3) flat crepe sole for maximum weight resistance; (4) Hi-density molded sockliner; (5) molded heel counter; (6) lateral strap; (7) Avg. width & standard heel\$119.95



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CHALK: 1 lb. \$9.95
AMMONIA CAPS: Box of 10 \$4.00
SPEED COLLARS: \$36.50
DIP BELT: \$21.50
TRAINING BELTS: \$22.50
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 4 x 4" \$15.00
USAPL T's: 3 color logo \$19.00



SINGLET

TITAN POWER SINGLET NOT a wrestling singlet. Features power Hi Cut with full 15cm length legs. (Legs are pulled up in photo). Great for benching & deadlifting. Legal in all federations and RAW meets. Black, Royal Blue, Red & Gold



(Kirk Karwoski, 771 lb. deadlift)

Price\$30.00 (Add \$4.00 for logo)

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COMPETITION buckle belts: feature stainless steel seamless roller & full leather buckle foldover.
LEVER belts: feature Hi-Tech patented lever for maximum tightness and easy on/off application.



All belts feature USA steerhide and suedes, 1" holes, 6 rows of stitching.

Price.....\$79.00

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ITEM	Color	Size	Quan-ty	Price
Hi or Low Cut	1st. Alt.			
CUSTOM SUIT	<input type="checkbox"/> Reg. <input type="checkbox"/> Meet <input type="checkbox"/> Comp	Shipping & Handling		\$5.50
Male <input type="checkbox"/> Female <input type="checkbox"/>	<input type="checkbox"/> Style A <input type="checkbox"/> Style B <input type="checkbox"/> Dual Quad	Overseas add 30% Air		
Height	Weight	Tx. Res. add 7.875%		
Hips (Buttocks)	Leg (Largest part)	Total		
Overall (TOP OF TRAP TO 6" BELOW CROTCH)				

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THE BEST POWERLIFTING BELTS IN THE WORLD
 THE FOREVER GUARANTEE™ MANUFACTURED SO SECURELY WE BACK UP THE LASTING WEAR OF YOUR BELT FOREVER.



13mm lever belt \$68
 13mm buckle belt \$70
 10mm buckle or lever belt \$58
 Tapered buckle or lever belt \$52

Choice of stiff leather for the firmest support or soft leather for immediate comfort.

Extra firm leather will conform over time for a permanent personal fit. Soft leather will conform to your shape more quickly.

Available in any style. Most popular choices are double prong buckle, single prong buckle or lever belt.

13mm or 10mm thick, 10cm wide or 10cm tapered to 6cm body-building style suede both sides, suede inside only, or smooth leather both sides.

ZINC PLATED STEEL BUCKLE.

- TONGUE LOOP RIVETED NOT SEWN.
- LOCKSTITCHED WITH CORROSIVE RESISTANT, HI-DENSITY NYLON.
- SAME RIVETS AS USED ON THE SPACE SHUTTLE.

Highest quality suede provides non-slip surface.

- NOT BRADDED. HIGH COMPRESSION RIVETED. WILL NEVER COME LOOSE.
- New, closer prong holes for more choice in precise fitting.

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